(19)Japan Patent Office (JP)

(12)Japanese Utility Model Laid Open (U)

(11)Publication Number of Patent Application: 39288/1984

(43)Date of Publication of Application: March 13, 1984

(51)Int.Cl.^{3} B62K 1 00

A63G 19 14

Identification Number

Intraoffice Reference Number 2105-3D

6811-2C

Request for Examination: not made

(54)Monocycle

(21)Application Number: 135601/1982

(22)Application Date: September 7, 1982

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Description

1. Title of the Invention Monocycle

2. Claims

(1) A monocycle characterized in that in a monocycle provided with a hollow stay integrally formed at an upper portion of a fork formed in an inverse U-like shape to axially support pivotably a center of a rim attached with a tire at an outer periphery thereof, a support shaft of a saddle being slidably attached to the hollow stay, pedals being attached by way of cranks attached to both ends of a shaft axially supporting pivotably the tire, characterized in that the monocycle is attached with a support rod by extending the support rod from either one or both of the fork and the stay to a front side of the saddle.

3. The utility model relates to an improvement in a monocycle and relates to a monocycle on which any body can simply ride by providing a support rod by being extended to a front side of a saddle from a stay attached with the saddle or a fork.

Heretofore, a so-to-speak monocycle having a single wheel and provided with a saddle and a pedal is recommended by a number of persons since the monocycle develops a balance feeling, urges to develop a motor nerve and achieves an excellent effect in view of health, however, several days or several tens days of practice time is needed for a beginner to ride thereon, there are also a number of persons to give up the practice during the

time period and there has been strongly desired appearance of a monocycle on which anybody can simply ride without distinction of ages and sexes.

The utility model has been carried out as a result of repeating trial and error day and night by the inventor in view of such a situation and an embodiment thereof will be explained in reference to the drawings.

As shown by Fig.1 through Fig.2, at a wheel attached with a plurality of spokes 3 to direct to a center from a rim 2 attached with a tire 1 at an outer periphery thereof, a crank 5 having a pedal 4 at a front end thereof is fixedly attached to a hole provided at a vicinity of a front end of a fork 6 bent to be folded substantially in an inverse U-like shape via a bearing or the like as is well known.

Further, an upper end of the fork 6 is provided with a hollow stay 6a fixedly attached to the fork 6 integrally by welding or the like, and is attached with a support shaft 7a of a saddle 7 inserted into to the hollow stay for making a height adjustable by being slid in an up and down direction by a setscrew 8.

Further, there is provided a support rod 9 one end of which is fixedly attached to the fork by welding or the like and other end of which is extended to a front side of the saddle and a front end of the support rod 9 extended to the front side of the saddle 7 is screwed with a grip 10 made of, for example,

plastic and there is provided a reinforcement rod 12 fixedly attached by welding or the like to connect the support rod 9 and the hollow stay 6a.

Next, explaining a state when a monocycle according to the utility model is used, although a person rides thereon similar to a monocycle of a background art, at that occasion, when the person rides thereon while keeping balance by gripping the grip 10 by the one hand and extending the other hand horizontally in a transverse direction, there is constituted a triangle connecting three portions of a center of pivoting the crank 5 and the saddle and the grip, the balance is easy to be kept and the person can stably run, and anybody can easily rides thereon without falling down to a front side or a rear side by shifting the wheel abruptly in a front and rear direction relative to a position of the saddle.

Next, explaining a second embodiment of the utility model, as shown by a section enlarging an essential portion shown in Fig.3, the support rod of the above-described embodiment is formed by an outer cylinder 9a which is formed by a hollow pipe member and a length of which is cut on a lower side of the saddle 7 and an inner rod 9b attached with the grip 10 at a front end thereof and the outer cylinder 9a of the inner rod 9b are attached by an arbitrary length by a setscrew 8'.

Therefore, according to the embodiment, the height of the saddle is made to be variable in accordance with a height of

a riding person, also the length of the support rod can be made to be variable and therefore, the monocycle achieves further excellent performance in using the monocycle.

Next, explaining a third embodiment of the utility model in reference to Fig.4, the support rod is constituted by winding, for example, spring steel in a shape coil to constitute a rod-like shape, by constituting the monocycle as in the embodiment, even when in riding on the monocycle, the body is unbalanced and the hand gripping the grip is excessively pulled abruptly, impact can be alleviated by bending a support rod 90 in a coil-like shape, even when the hand is moved by a large amount, a force transmitted to the wheel is small, and the monocycle is easy to ride by keeping balance adequately.

Further, even when the support rod is not straight, the support rod may be constituted by an R-like shape to further improve an outlook thereof and can strengthen in view of a strength thereof.

As has been explained above, the utility model can provide the excellent monocycle which can be balanced easily and on which a beginner can readily ride without distinction of ages and sexes.

Further, the utility model is not naturally limited to the above-described embodiments but, for example, the fork can be embodied by various methods such that the fork is not limited to a single piece of the fork in the inverse U-like shape but

two pieces thereof are extended to direct to an upper side in a V-like shape to be attached to front and rear sides of the saddle, also the grip is not limited to be constituted by a spherical shape but is constituted by a T-like shape, also the support rod is not limited to a single piece thereof but can be constituted by a support rod in a V-like shape by being branched into two pieces thereof from a middle thereof.

As has been explained above, the utility model can provide the monocycle which can simply be practiced by anybody and on which anybody can easily ride.

4. Brief Description of the Drawings

The drawings show an embodiment of the utility model,

Fig.1 is a side view,

Fig.2 is a front view,

Fig.3 is a sectional view enlarging an essential portion showing a second embodiment,

Fig.4 is a structure view showing still other embodiment,

Fig.5 is a structure view showing still other embodiment.

In the drawings, numeral 1 designates a tire, numeral 2 designates a rim, numeral 3 designates a spoke, numeral 4 designates a pedal, numeral 5 designates a crank, numeral 6 designates a fork, numeral 7 designates a saddle, numerals 9, 90 designate support rods, numeral 10 designates a grip.

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Fig.1

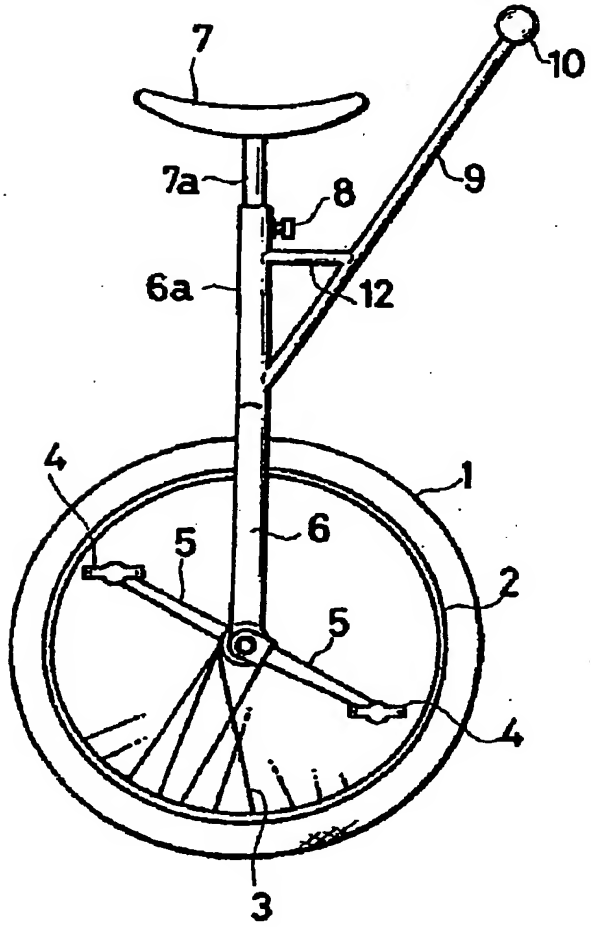


Fig.2

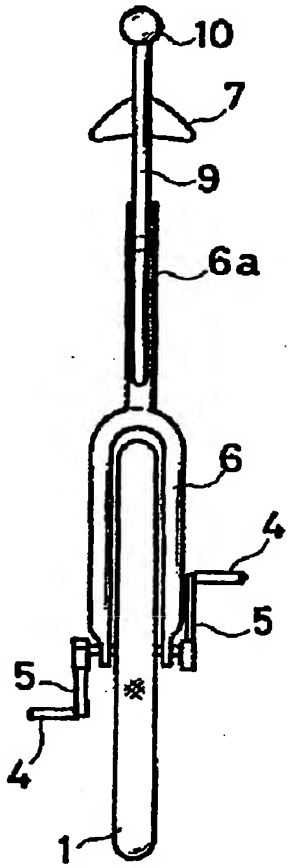


Fig.3

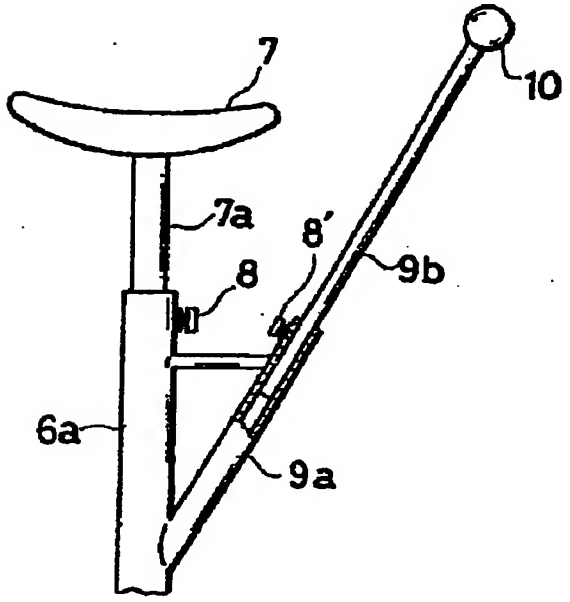


Fig.4

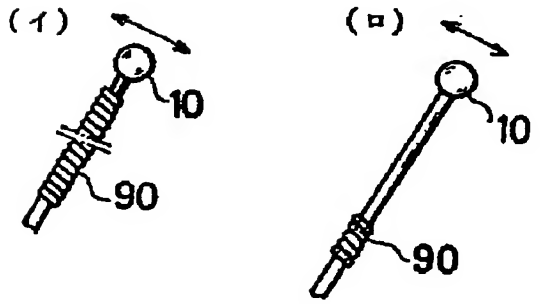
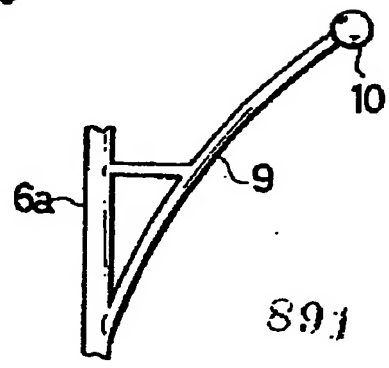


Fig.5



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実開59-39238

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